

Amendments to the Claims

1. (Currently amended) A method of automatically generating best-fit graphs for data sets, comprising the following steps:
 - selecting a data set;
 - applying a best-fit rule to the data set; and
 - generating at least one best-fit graph based on the data set and best-fit rule applied.
2. (Currently amended) The method as claimed in claim 1, further comprising the step of selectively publishing at least one of the best-fit graphs generated.
3. (Currently amended) The method as claimed in claim 1, further comprising the step of customizing a best-fit rule.
4. (Currently amended) The method as claimed in claim 1, further comprising the step of customizing a graph type; and
 - wherein the best-fit graph generated by the generating step is based on the graph type.
5. (Currently amended) The method as claimed in claim 2 wherein the publishing step includes publishing a best-fit graph to a website.
6. (Currently amended) The method as claimed in claim 2, wherein the publishing step includes publishing a best-fit graph by transmitting the graph in connection with email.
7. (Currently amended) The method as claimed in claim 2, wherein the publishing step includes publishing a best-fit graph by storing the graph to a storage device.

8. (Original) The method as claimed in claim 1, wherein the generating step occurs as a result of a trigger event.

9. (Original) The method as claimed in claim 1, wherein the generating step occurs as a result of a threshold being met or exceeded.

10. (Original) The method as claimed in claim 1, wherein the data set includes at least one of data, metadata, OLAP cubes, dimensional tables, lookup tables, and summary tables.

11. (Currently amended) The method as claimed in claim 1, wherein the best-fit rule includes at least one of number of dimensions, data sparsity, and value of data as best-fit rule criteria.

12. (Original) The method as claimed in claim 4, wherein the graph type includes at least one of a pie chart, a bar chart, a tree graph, a spreadsheet chart, a scatter plot, and a 3-D graph.

13. (Currently amended) A system for automatic best-fit graph generation from data sets, comprising:

a database to storing a data set, at least one best-fit rule, and at least one graph type encoded on a computer readable medium; and

a graph generator selectively applying at least one best-fit rule and graph type to the data set to generate at least one best-fit graph.

14 (Original) The system as claimed in claim 13, wherein the data set includes at least one of data, metadata, OLAP cubes, dimensional tables, lookup tables, and summary tables.

15. (Original) The system as claimed in claim 13, wherein the graph type includes at least one of a pie chart, a bar chart, a tree graph, a spreadsheet chart, a scatter plot, and a 3-D graph.

16. (Currently amended) The system as claimed in claim 13, wherein the database further stores at least one trigger; and
wherein the graph generator selectively applies at least one best-fit rule and graph type to the data set to generate at least one best-fit graph as a result of a trigger event.

17. (Currently amended) The system as claimed in claim 13, wherein the database further stores at least one threshold value; and
wherein the graph generator selectively applies at least one best-fit rule and graph type to the data set to generate at least one best-fit graph as a result of a threshold value being met or exceeded.

18. (Currently amended) The system as claimed in claim 13, further comprising a user interface for customizing the best-fit rule.

19. (Original) The system as claimed in claim 13, further comprising a user interface for customizing the graph type.

20. (Currently amended) The system as claimed in claim 13, wherein the graph generator publishes generated best-fit graphs.

21. (Currently amended) The system as claimed in claim 20, wherein the graph generator publishes generated best-fit graphs to at least one of a website, email, and a storage device.